

**Corrected Set of Claims**

*Applicants request entry of the following, corrected set of claims. No amendments to Claims 21 and 27 are being currently made. It can be seen that, in the previous set of claims submitted on October 24, 2005, Claims 21 and 27 were the same as Claim 1. So, in this corrected set of claims, the previous language is Claims 21 and 27 is shown, together with the required strikeouts and underlines, so as to accurately show the record of amendments in this application. These corrections do not constitute an amendment of the claims.*

1. (Currently Amended) A light appliance and a cooling arrangement, comprising:
  - a) a light appliance;
  - b) a ~~substantially-sealed~~ liquid-tight enclosure for the light appliance that gives off unwanted heat into surrounding air within the enclosure during operation, the enclosure having an external wall at least part of which is thermally conductive;
  - c) a medium that is in contact with said external wall of the enclosure; ~~and the medium~~
    - i) having adequate thermal conductivity; and
    - ii) being sufficiently cooler than the external wall of the enclosurethat an air circulating device for circulating air, heated by the light appliance or by the air circulating device, to the thermally conductive portion of the external wall ~~for removing~~ ing sufficient heat from the air by dissipating the heat into the cooler medium through said thermally conductive portion so as to substantially increase lifetime of the light appliance.
2. (Original) The combination of Claim 1, wherein the light appliance comprises a filamented lamp.
3. (Original) The combination of Claim 2, wherein the filamented lamp comprises molybdenum leads.
4. (Original) The combination of Claim 2 wherein the lamp is a halogen lamp.
5. (Original) The combination of Claim 1, wherein the light appliance comprises a high intensity discharge lamp.
6. (Original) The combination of Claim 5, wherein the high intensity discharge lamp comprises molybdenum leads.
7. (Original) The combination of Claim 5, wherein the lamp is a high pressure sodium lamp, a high pressure mercury vapor lamp, or an ultrahigh pressure mercury lamp.

8. (Original) The combination of Claim 1, wherein the light appliance further comprises a heat sink for removing heat from the light appliance.
9. (Original) The combination of 1, wherein the light appliance comprises an LED.
10. (Original) The combination of Claim 9, wherein the light appliance further comprises a heat sink for removing heat from the LED.
11. (Original) The combination of Claim 1, wherein the medium comprises water.
12. (Original) The combination of Claim 1, wherein the medium comprises a solid.
13. (Original) The combination of Claim 12, wherein the solid includes a cooling device for cooling the solid to a sufficiently low temperature to allow substantial dissipation of heat from within the enclosure into the solid through said thermally conductive portion.
14. (Original) The combination of Claim 1 wherein the medium comprises air.
15. (Original) The combination of Claim 14, wherein the air comprises circulating air.
16. (Original) The combination of Claim 1, wherein the air circulating device comprises an electrical fan.
17. (Original) The combination of Claim 1, wherein the air circulating device comprises a heat pump or an air pump.
18. (Original) The combination of Claim 1, wherein the thermally conductive wall comprises stainless steel.
19. (Original) The combination of Claim 18, wherein the thermally conductive wall further comprises glass.
20. (Original) The combination of Claim 1, wherein the thermally conductive wall comprises a thermally conductive plastic.
21. (Currently Amended) A light appliance with a cooling arrangement, comprising:
  - a) a light appliance;
  - b) a sealed liquid-tight enclosure for the light appliance that gives off unwanted heat into surrounding air within the enclosure during operation, the enclosure having an external wall at least part of which is thermally conductive; and
  - c) a medium comprising water that is in contact with said external wall of enclosure: the medium, cooler than the external wall of the enclosure, contacting said external wall; and

- i) having adequate thermal conductivity; and
  - ii) being sufficiently cooler than the external wall of the enclosure  
that an air circulating device for circulating air, heated by the light appliance or by the air  
circulating device, to the thermally conductive portion of the external wall removes  
sufficient heat from the air by dissipating the heat into the cooler medium through said  
thermally conductive portion so as to substantially increase lifetime of the light appliance.
- d) ~~an air circulating device to circulate air heated by the light appliance, as well as heat~~  
~~generated by the air circulating device, to the thermally conductive portion of the external~~  
~~wall so as to cool said air by thermal dissipation into the cooler medium through said~~  
~~thermally conductive portion.~~
22. (Original) The combination of Claim 21, wherein the light appliance comprises a filamented lamp or a high intensity gas discharge lamp.
23. (Original) The combination of Claim 21, wherein the light appliance further comprises a heat sink for removing heat from the lamp.
24. (Original) The combination of Claim 21, wherein the thermally conductive wall comprises stainless steel.
25. (Original) The combination of Claim 24, wherein the thermally conductive wall further comprises glass.
26. (Original) The combination of Claim 21, wherein the thermally conductive wall comprises a thermally conducting plastic.
27. (Currently Amended) A light appliance with a cooling arrangement, comprising:
- a) a light appliance;
  - b) a sealed liquid-tight enclosure for the light appliance that gives off unwanted heat into surrounding air within the enclosure during operation, the enclosure having an external wall at least part of which is thermally conductive;
  - c) a medium comprising water that is in contact with said external wall of the enclosure; the  
medium, cooler than the external wall of the enclosure, contacting said external wall; and
    - i) having adequate thermal conductivity; and
    - ii) being sufficiently cooler than the external wall of the enclosure  
that an air circulating device for circulating air, heated by the light appliance or by the air

circulating device, to the thermally conductive portion of the external wall removes sufficient heat from the air by dissipating the heat into the cooler medium through said thermally conductive portion so as to substantially increase lifetime of the light appliance;

- d) an electrical driver comprising an electrical or electromagnetic device for converting voltage and/or limiting current to the light appliance; ~~and~~
- e) ~~an air circulating device to circulate air heated by the light appliance, as well as heat generated by the air circulating device, to the thermally conductive portion of the external wall so as to cool said air by thermal dissipation into the cooler medium through said thermally conductive portion.~~

28. (Original) The combination of Claim 27, wherein the light appliance comprises a filamented lamp or a high intensity gas discharge lamp.

29. (Original) The combination of Claim 27, wherein the light appliance further comprises a heat sink for removing heat from the lamp.

30. (Original) The combination of Claim 27, wherein the thermally conductive wall comprises stainless steel.

31. (Original) The combination of Claim 30, wherein the thermally conductive wall further comprises glass.

32. (Original) The combination of Claim 21, wherein the thermally conductive wall comprises a thermally conducting plastic.

33. (New) The combination of Claim 1, wherein the medium:

- a) has adequate thermal conductivity; and
- b) is sufficiently cooler than the external wall of the enclosure

as to eliminate the need for heat fins projecting inwardly from the inner surface of said external wall.

34. (New) The combination of Claim 1, wherein the medium:

- i) has adequate thermal conductivity; and
- ii) is sufficiently cooler than the external wall of the enclosure

as to eliminate the need for directing said air, heated by the light appliance or by the air circulating device, into a channel formed between an interior surface of the external wall of the

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enclosure and a sleeve surrounding the light appliance.